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SITE SUMMARY AND RECOMMENDATION

The Tenneco Polymers, Inc. site (CERCLIS ID No. NJD001890185) is a 140-acre active PVC manufacturing facility located in Burlington, Burlington County, New Jersey. The site is located on the inner lowland physiographic subdivision of the New Jersey Coastal Plain between Philadelphia, Pennsylvania and Trenton, New Jersey. The site is bounded to the north by the Delaware River; to the south by Beverly Road; to the east by a utility right-of-way; and to the west by a residential area. The topography is flat with elevations ranging from 0 to 20 feet above mean sea level. The property consists of two office buildings, office trailers, two processing plants, two tank farms, and several concrete and asphalt pad process waste staging areas. The facility also has a wastewater treatment plant with an associated wastewater digestion basin. Wastewater treatment plant sludges, along with PVC sludge wastes, were placed into three dewatering lagoons prior to disposal in the 133,000 ft^3 on-site landfill. The landfill was closed in 1988, followed by the sludge lagoons in 1989. The sludge lagoons were investigated by sampling the post-excavation lagoon areas, the sludge mixing area, berms, background area, and pre-excavation sludge. The Geraghty & Miller report prepared for Tenneco concluded that the sludge had been removed from the lagoons and no further contamination remains. After closure, the wastewater treatment plant was permitted to discharge into the Delaware River under the NJPDES Permit No. NJ000439.

According an ISRA site investigation report prepared by OxyChem in April 1995, this site has historically been used for polymer production. The plant was originally constructed by Cary Chemical in 1962 for the manufacturing of PVC homopolymers and copolymers. The site was purchased by Tenneco in 1966. Tenneco upgraded and expanded the site several times before selling it to OxyChem in 1986. OxyChem sold a portion of this property to Franklin-Burlington Plastics, Inc. in 1988. As a result of this sale, a separate remediation agreement was entered into by OxyChem and the NJDEP under ECRA. The Franklin-Burlington Plastic site was sold to Rimtec Corporation in February 1990. The current owner/operator of the Tenneco site is Colorite Polymers which purchased it from OxyChem in August of 1995.

Environmental releases at the site while under Tenneco's ownership resulted in the identification of 25 AOCs. These AOCs were either approved or recommended for no further action. Several environmental incidents at the site occurred as a result of OxyChem's operations from 1988 through 1994. Most of these incidents involved leaks; the majority of these were direct releases of vinyl chloride (VCM) and vinyl acetate (VAM). These leaks were all repaired promptly. With the exception of VCM and VAM releases, all other discharges were contained and remediated. Both VCM and VAM have very low boiling points, resulting in vapor releases which were not easily contained and that dissipated rapidly in the atmosphere. However, in cases where releases involved process materials, the VCM and VAM would have been in suspension or dispersion and therefore have contacted soils and/or groundwater.

These releases resulted in creating several AOCs throughout the OxyChem plant. These AOCs

included: Sump Pump Area, VAM Transfer Pump Area, 20-yd^3 Rolloff Area, Dispersion B Plant Dumpster Area, No. 6 Fuel Oil Unloading Area, Effluent Sulfuric Acid Tank Area, and Suspension Blend Tank Area. All of these AOCs were eventually approved for no further action by the NJDEP. However, it should be noted that the VAM transfer pump area (Tenneco's AOC#T-8) was a former TCE handling and storage area. After OxyChem acquired the site from Tenneco, the use of TCE was discontinued by mid-1987. Tenneco's investigation of the AOC indicated the presence of elevated concentrations of VOCs, primarily TCE, in this area and concluded that this area was the source of a groundwater plume which had been delineated at the site. This AOC was approved for no further action with respect to soils by the NJDEP on 22 September 1992. As of the April 1995 ISRA report, remediation and routine monitoring of the contaminated groundwater plume were ongoing.

Within the Sump Pump Area, some stains were observed in a grassy area next to the sump pump pit during a 1994 site inspection by TreaTek-CRA. The sump pump receives post-stripped process water which is then pumped to the wastewater treatment plant. Two sides of the curbing to the pit are within a large asphalt containment pad; however, the other two sides of the pit are along a grassy area. Water from the pit may have been released into this grassy area. Within the VAM Transfer Pump Area, it was suspected that leaks of VAM from pumps and valves in this area may have occurred. Therefore, soil samples were collected. With respect to the 20-yd^3 Rolloff Area, PVC had been spilled to the soil around the pad; soil samples were collected. Within the Dispersion B Plant Dumpster Area, a small dumpster is used to store PVC scrapings. This dumpster is located on an asphalt pad north of the B Plant. Some staining on the building wall and the asphalt pad were observed during a site inspection. In addition, a low wet grassy area which receives runoff from the dumpster was noted. Since spills of the material may have occurred, soil samples were collected in the surrounding area.

Around the No. 6 Fuel Oil Unloading Area, No. 6 fuel oil was inadvertently sprayed on the walls of the fuel oil tanks and on the adjacent gravel area during unloading operations in 1994. Subsequently, the tank walls were cleaned and the stained gravel removed; remediation services were provided by OHM. Since this area was remediated, there was no further investigation. Near the Effluent Sulfuric Acid Tank Area at the wastewater treatment plant, sulfuric acid was released to the ground surface. Affected soil was excavated until soil with a pH of 6 to 7 standard units was encountered. Remediation services were provided by IT Corporation. Excavated soils were disposed at an off-site landfill facility. Since the area was remediated, no soil samples were taken. No stains or stressed vegetation was observed during the site inspection. In the Suspension Blend Tank Area, five aboveground blend tanks used in the manufacturing of PVC suspension resins are located on a concrete pad. In addition, an elevated dispersion recovery tank is located in the area. Any leak of the contents, post-stripped slurry, may have impacted an adjacent grassy area. Some staining of the tanks and on the concrete pad below were observed during the site inspection. As a result, soil samples were collected. Analytical results indicated that the concentrations of compounds detected in all areas except the VAM Transfer Pump Area were below the NJDEP soil cleanup criteria. Therefore, these areas were recommended for no further action.

The site is currently owned and operated by Colorite Polymers and RimTec Corporation. The Colorite facility has the capacity to produce 120 million pounds of PVC resins per year. Their manufacturing of dispersion resins utilizes a technology that has low VOC characteristics. The majority of their suspension resins are copolymers used in floor tile, records, and other specialty applications. Colorite's blending resins are used as modifiers in plastisol applications. RimTec Corporation also manufactures PVC compounds.

An off-site reconnaissance was conducted by Region II START on 5 November 1999. The primary objective of this investigation was to determine the number of residences within 200 feet of the site. START observed a total of 19 homes, a bank, and a church that directly border Colorite's property. Although these structures are within 200 feet of the site boundary, it is not believed that they are within 200 feet of waste sources.

Region II START observed a right-of-way approximately 25 feet wide connecting Linden Avenue with the wooded western portion of Colorite's property. This right-of-way could be used by trespassers to gain access to the site. The east side of the site is bordered by an electrical power line right-of-way. To the east of the power lines is a small stream that runs north to south. The water level was very low and there was no obvious direction of flow. However, it would be reasonable to assume that the stream flows northward toward the Delaware River.

A PREScore (version 4.1) analysis of the Tenneco Polymers, Inc. site was completed, in which the site was evaluated on the basis of contaminated soil and groundwater. TCE in the soil below the VAM Transfer Pump Area is believed to be the source of a plume contaminating the unconfined and semiconfined aquifers below the site. The Groundwater Migration Pathway Score is 100.00. The overall site score is 50.20 which is exceeds the score required for consideration for placement on the NPL. The elevated score is driven by the high number of potential groundwater targets within 4 miles of the site.

Based on an evaluation of the above conditions, a recommendation of a **LOW PRIORITY FOR FURTHER ACTION (LPFA)** is given to the Tenneco Polymers, Inc. site. It should be noted that there is hydraulic containment of the TCE plume by the continuous pumping of on-site production wells. It should also be noted that ongoing groundwater monitoring is being performed in compliance with ISRA Case # 86305.

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PREScore 4.1
HRS DOCUMENTATION RECORD

1. Site Name: Tenneco Polymers Inc.
   (as entered in CERCLIS)

2. Site CERCLIS Number: NJD001890185

3. Site Reviewer: Scott Snyder

4. Date: 2/4/00

5. Site Location: Burlington
   (City/County,State)

6. Congressional District: 04

7. Site Coordinates: Multiple

   Latitude: 40°04'11. Longitude: 074°52'52.0"

	Score
Ground Water Migration Pathway Score (Sgw)	100.00
Surface Water Migration Pathway Score (Ssw)	0.10
Soil Exposure Pathway Score (Ss)	0.00
Air Migration Pathway Score (Sa)	8.93

Site Score	50.20

NOTE

Site names, and references to specific parcels or properties, are provided for general identification purposes only. Knowledge regarding the extent of sites will be refined as more information is developed during the RI/FS and even during implementation of the remedy.

PREScore 4.1
WASTE QUANTITY

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Drum Storage Pad

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

PREScore 4.1
WASTE QUANTITY

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		Drum Storage Pad	
b. Source Type		Drums	
c. Secondary Source Type		N.A.	
d. Source Vol.(yd3/gal)	Source Area (ft2)	298.00	0.00
e. Source Volume/Area Value		5.96E-01	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		5.96E-01	

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Ethyl benzene	> 2	YES	1.0E+00	ppm
Tetrahydrofuran	> 2	YES	1.0E+00	ppm
Toluene	> 2	YES	1.0E+00	ppm
Xylene, m-	> 2	YES	1.0E+00	ppm
Xylene, o-	> 2	YES	1.0E+00	ppm
Xylene, p-	> 2	YES	1.0E+00	ppm

PREScore 4.1
WASTE QUANTITY

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Satellite Drum Stor

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

Wastestream Constituent Hazardous Substances	Concent.	Units	Liquid	Qualifier
Vinyl chloride	4.5E+02	ppb	YES	

PREScore 4.1
WASTE QUANTITY

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		Satellite Drum Stor	
b. Source Type		Drums	
c. Secondary Source Type		N.A.	
d. Source Vol.(yd3/gal)	Source Area (ft2)	298.00	0.00
e. Source Volume/Area Value		5.96E-01	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		5.96E-01	

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Ethyl benzene	> 2	NO	1.0E+00	ppm
Tetrahydrofuran	> 2	NO	1.0E+00	ppm
Toluene	> 2	NO	1.0E+00	ppm
Xylene, m-	> 2	NO	1.0E+00	ppm
Xylene, o-	> 2	NO	1.0E+00	ppm
Xylene, p-	> 2	NO	1.0E+00	ppm

PREScore 4.1
WASTE QUANTITY

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: B Plant Dumpster

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

PREScore 4.1
WASTE QUANTITY

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		B Plant Dumpster	
b. Source Type		Non-Drum Container	
c. Secondary Source Type		N.A.	
d. Source Vol.(yd3/gal)	Source Area (ft2)	5.00	0.00
e. Source Volume/Area Value		2.00E+00	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		2.00E+00	

PREScore 4.1
WASTE QUANTITY

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Suspension Dumpster

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

PREScore 4.1
WASTE QUANTITY

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		Suspension Dumpster	
b. Source Type		Non-Drum Container	
c. Secondary Source Type		N.A.	
d. Source Vol.(yd3/gal)	Source Area (ft2)	5.00	0.00
e. Source Volume/Area Value		2.00E+00	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		2.00E+00	

PREScore 4.1
WASTE QUANTITY

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: PVC Rolloff Area

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

PREScore 4.1
WASTE QUANTITY

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		PVC Rolloff Area	
b. Source Type		Non-Drum Container	
c. Secondary Source Type		N.A.	
d. Source Vol.(yd3/gal)	Source Area (ft2)	20.00	0.00
e. Source Volume/Area Value		8.00E+00	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		8.00E+00	

PREScore 4.1
WASTE QUANTITY

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: VAM Transfer Pump

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

PREScore 4.1
WASTE QUANTITY

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		VAM Transfer Pump	
b. Source Type		Contaminated Soil	
c. Secondary Source Type		N.A.	
d. Source Vol.(yd3/gal)	Source Area (ft2)	0.00	1200.00
e. Source Volume/Area Value		3.53E-02	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		3.53E-02	

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Trichloroethylene	> 2	YES	0.0E+00	ppm

PREScore 4.1
WASTE QUANTITY

3. SITE HAZARDOUS WASTE QUANTITY SUMMARY

No.	Source ID	Migration Pathways	Vol. or Area Value (2e)	Constituent or Wastestream Value (2f,2h)	Hazardous Waste Qty. Value (2k)
1	Drum Storage Pad	GW-SW-SE-A	5.96E-01	0.00E+00	5.96E-01
2	Satellite Drum Stor	GW-SW-SE-A	5.96E-01	0.00E+00	5.96E-01
3	B Plant Dumpster	GW-SW-SE-A	2.00E+00	0.00E+00	2.00E+00
4	Suspension Dumpster	GW-SW-SE-A	2.00E+00	0.00E+00	2.00E+00
5	PVC Rolloff Area	GW-SW-SE-A	8.00E+00	0.00E+00	8.00E+00
6	VAM Transfer Pump	GW-SW-SE-A	3.53E-02	0.00E+00	3.53E-02

PREScore 4.1
GROUND WATER MIGRATION PATHWAY SCORESHEET

4. PATHWAY HAZARDOUS WASTE QUANTITY AND WASTE CHARACTERISTICS SUMMARY TABLE

Migration Pathway	Contaminant Values		HWQVs*	WCVs**
Ground Water	Toxicity/Mobility	1.00E+04	10	18
SW: Overland Flow, DW	Tox./Persistence	7.00E+00	10	2
SW: Overland Flow, HFC	Tox./Persis./Bioacc.	2.00E+02	10	6
SW: Overland Flow, Env	Etox./Persis./Bioacc.	2.00E+04	10	18
SW: GW to SW, DW	Tox./Persistence	7.00E+00	10	2
SW: GW to SW, HFC	Tox./Persis./Bioacc.	2.00E+02	10	6
SW: GW to SW, Env	Etox./Persis./Bioacc.	2.00E+04	10	18
Soil Exposure:Resident	Toxicity	0.00E+00	0	0
Soil Exposure: Nearby	Toxicity	0.00E+00	0	0
Air	Toxicity/Mobility	1.00E+04	10	18

* Hazardous Waste Quantity Factor Values
** Waste Characteristics Factor Category Values

Note: SW = Surface Water
GW = Ground Water
DW = Drinking Water Threat
HFC = Human Food Chain Threat
Env = Environmental Threat

PREScore 4.1
GROUND WATER MIGRATION PATHWAY SCORESHEET

GROUND WATER MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release to an Aquifer Aquifer: Raritan-Magothy		
1. Observed Release	550	0
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	6
2c. Depth to Aquifer	5	3
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	440
3. Likelihood of Release	550	460
Waste Characteristics		
4. Toxicity/Mobility	*	1.00E+04
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	18
Targets		
7. Nearest Well	50	1.80E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	3.34E+03
8d. Population (lines 8a+8b+8c)	**	3.34E+03
9. Resources	5	5.00E+00
10. Wellhead Protection Area	20	0.00E+00
11. Targets (lines 7+8d+9+10)	**	3.37E+03
12. Targets (including overlaying aquifers)	**	3.37E+03
13. Aquifer Score	100	100.00
GROUND WATER MIGRATION PATHWAY SCORE (Sgw)	100	100.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

PREScore 4.1
SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release by Overland Flow		
2a. Containment	10	10
2b. Runoff	25	1
2c. Distance to Surface Water	25	16
2d. Potential to Release by Overland Flow [lines 2a(2b+2c)]	500	170
3. Potential to Release by Flood		
3a. Containment (Flood)	10	10
3b. Flood Frequency	50	25
3c. Potential to Release by Flood (lines 3a x 3b)	500	250
4. Potential to Release (lines 2d+3c)	500	420
5. Likelihood of Release	550	420
Waste Characteristics		
6. Toxicity/Persistence	*	7.00E+00
7. Hazardous Waste Quantity	*	10
8. Waste Characteristics	100	2
Targets		
9. Nearest Intake	50	0.00E+00
10. Population		
10a. Level I Concentrations	**	0.00E+00
10b. Level II Concentrations	**	0.00E+00
10c. Potential Contamination	**	5.00E+00
10d. Population (lines 10a+10b+10c)	**	5.00E+00
11. Resources	5	5.00E+00
12. Targets (lines 9+10d+11)	**	1.00E+01
13. DRINKING WATER THREAT SCORE	100	0.10

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

PREScore 4.1
SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
14. Likelihood of Release (same as line 5)	550	420
Waste Characteristics		
15. Toxicity/Persistence/Bioaccumulation	*	2.00E+02
16. Hazardous Waste Quantity	*	10
17. Waste Characteristics	1000	6
Targets		
18. Food Chain Individual	50	0.00E+00
19. Population		
19a. Level I Concentrations	**	0.00E+00
19b. Level II Concentrations	**	0.00E+00
19c. Pot. Human Food Chain Contamination	**	3.00E-07
19d. Population (lines 19a+19b+19c)	**	3.00E-07
20. Targets (lines 18+19d)	**	3.00E-07
21. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

PREScore 4.1
SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
22. Likelihood of Release (same as line 5)	550	420
Waste Characteristics		
23. Ecosystem Toxicity/Persistence/Bioacc.	*	2.00E+04
24. Hazardous Waste Quantity	*	10
25. Waste Characteristics	1000	18
Targets		
26. Sensitive Environments		
26a. Level I Concentrations	**	0.00E+00
26b. Level II Concentrations	**	0.00E+00
26c. Potential Contamination	**	9.25E-03
26d. Sensitive Environments (lines 26a+26b+26c)	**	9.25E-03
27. Targets (line 26d)	**	9.25E-03
28. ENVIRONMENTAL THREAT SCORE	60	0.00
29. WATERSHED SCORE	100	0.10
30. SW: OVERLAND/FLOOD COMPONENT SCORE (Sof)	100	0.10

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

PREScore 4.1
GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release to Aquifer Aquifer: Cape May Formation		
1. Observed Release	550	0
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	6
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	460
3. Likelihood of Release	550	460
Waste Characteristics		
4. Toxicity/Mobility/Persistence	*	7.00E+00
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	2
Targets		
7. Nearest Intake	50	0.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	0.00E+00
8d. Population (lines 8a+8b+8c)	**	0.00E+00
9. Resources	5	5.00E+00
10. Targets (lines 7+8d+9)	**	5.00E+00
11. DRINKING WATER THREAT SCORE	100	0.06

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

PREScore 4.1
GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
12. Likelihood of Release (same as line 3)	550	460
Waste Characteristics		
13. Toxicity/Mobility/Persistence/Bioacc.	*	2.00E+02
14. Hazardous Waste Quantity	*	10
15. Waste Characteristics	1000	6
Targets		
16. Food Chain Individual	50	0.00E+00
17. Population		
17a. Level I Concentrations	**	0.00E+00
17b. Level II Concentrations	**	0.00E+00
17c. Pot. Human Food Chain Contamination	**	0.00E+00
17d. Population (lines 17a+17b+17c)	**	0.00E+00
18. Targets (lines 16+17d)	**	0.00E+00
19. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

PREScore 4.1
GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
20. Likelihood of Release (same as line 3)	550	460
Waste Characteristics		
21. Ecosystem Tox./Mobility/Persist./Bioacc. 22. Hazardous Waste Quantity 23. Waste Characteristics	* * 1000	2.00E+04 10 18
Targets		
24. Sensitive Environments 24a. Level I Concentrations 24b. Level II Concentrations 24c. Potential Contamination 24d. Sensitive Environments (lines 24a+24b+24c) 25. Targets (line 24d)	 ** ** ** ** **	 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
26. ENVIRONMENTAL THREAT SCORE	60	0.00
27. WATERSHED SCORE	100	0.06
28. SW: GW to SW COMPONENT SCORE (Sgs)	100	0.06

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

PREScore 4.1
SOIL EXPOSURE PATHWAY SCORESHEET

SOIL EXPOSURE PATHWAY Factor Categories & Factors RESIDENT POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
1. Likelihood of Exposure	550	0
Waste Characteristics		
2. Toxicity	*	0.00E+00
3. Hazardous Waste Quantity	*	0
4. Waste Characteristics	100	0
Targets		
5. Resident Individual	50	0.00E+00
6. Resident Population		
6a. Level I Concentrations	**	0.00E+00
6b. Level II Concentrations	**	0.00E+00
6c. Resident Population (lines 6a+6b)	**	0.00E+00
7. Workers	15	0.00E+00
8. Resources	5	0.00E+00
9. Terrestrial Sensitive Environments	***	0.00E+00
10. Targets (lines 5+6c+7+8+9)	**	0.00E+00
11. RESIDENT POPULATION THREAT SCORE	**	0.00E+00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.
*** No specific maximum value applies, see HRS for details.

PREScore 4.1
SOIL EXPOSURE PATHWAY SCORESHEET

SOIL EXPOSURE PATHWAY Factor Categories & Factors NEARBY POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
12. Attractiveness/Accessibility	100	0.00E+00
13. Area of Contamination	100	0.00E+00
14. Likelihood of Exposure	500	0.00E+00
Waste Characteristics		
15. Toxicity	*	0.00E+00
16. Hazardous Waste Quantity	*	0
17. Waste Characteristics	100	0
Targets		
18. Nearby Individual	1	1.00E+00
19. Population Within 1 Mile	**	4.00E+00
20. Targets (lines 18+19)	**	5.00E+00
21. NEARBY POPULATION THREAT SCORE	**	0.00E+00
SOIL EXPOSURE PATHWAY SCORE (Ss)	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

PREScore 4.1
AIR PATHWAY SCORESHEET

AIR MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release		
2a. Gas Potential to Release	500	450
2b. Particulate Potential to Release	500	0
2c. Potential to Release	500	450
3. Likelihood of Release	550	450
Waste Characteristics		
4. Toxicity/Mobility	*	1.00E+04
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	18
Targets		
7. Nearest Individual	50	2.00E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	5.90E+01
8d. Population (lines 8a+8b+8c)	**	5.90E+01
9. Resources	5	5.00E+00
10. Sensitive Environments		
10a. Actual Contamination	***	0.00E+00
10b. Potential Contamination	***	7.00E+00
10c. Sens. Environments(lines 10a+10b)	***	7.00E+00
11. Targets (lines 7+8d+9+10c)	**	9.10E+01
AIR MIGRATION PATHWAY SCORE (Sa)	100	8.93E+00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.
*** No specific maximum value applies, see HRS for details.